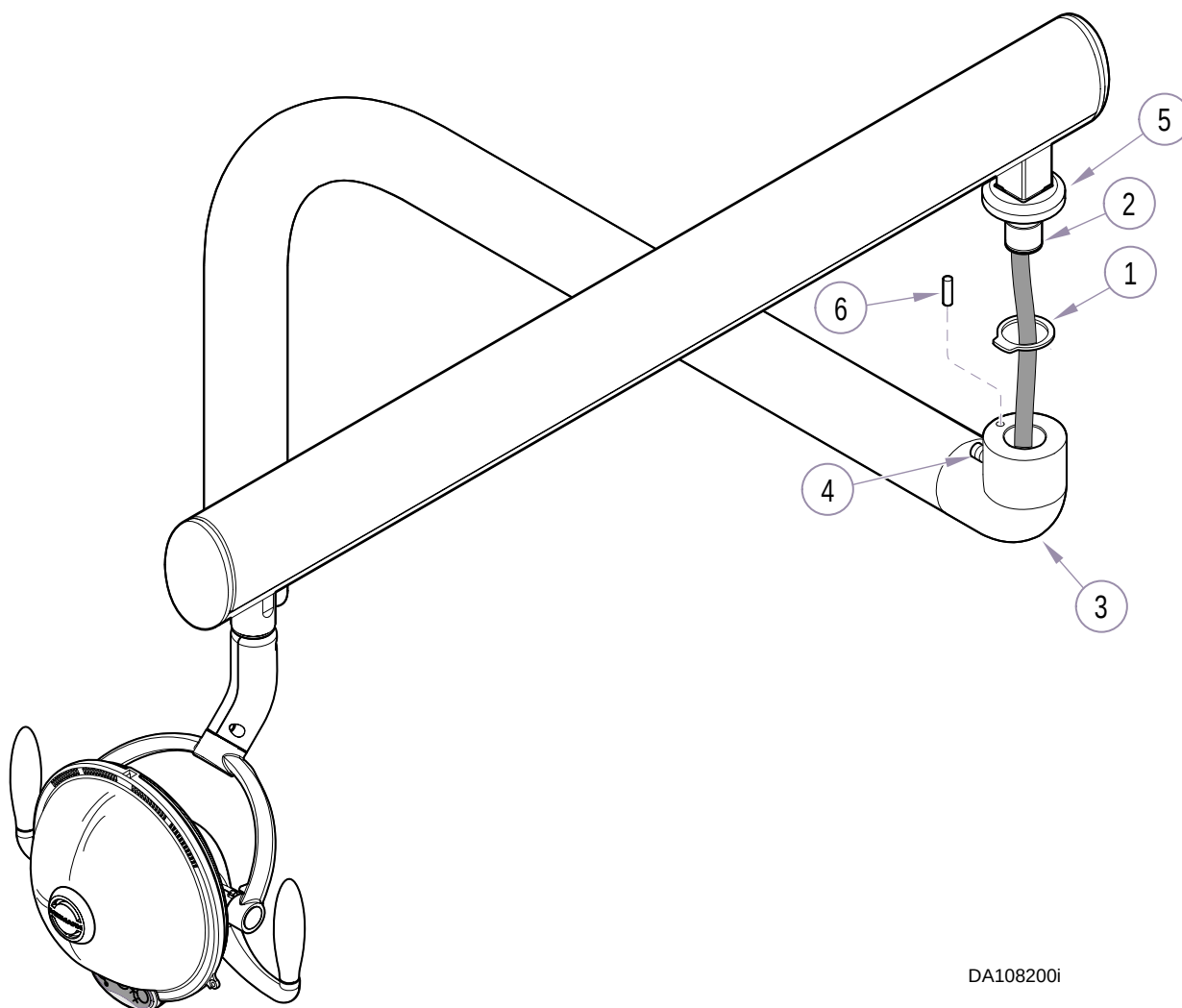


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STOP RING & PIN INSTALLATION

- (1) Position tab of rotation stop ring (1, Figure 1) in line with flex arm so that it is facing lighthead as shown; then insert flex arm shaft (2) into curved arm assembly (3) and secure with set screw (4).
- (2) Lift cover ring (5) and install stop pin (6) into hole in curved arm assembly (3).



DA108200i

Figure 1. Stop Ring & Pin Installation

LIGHT ARM INSTALLATION (with Midmark console)

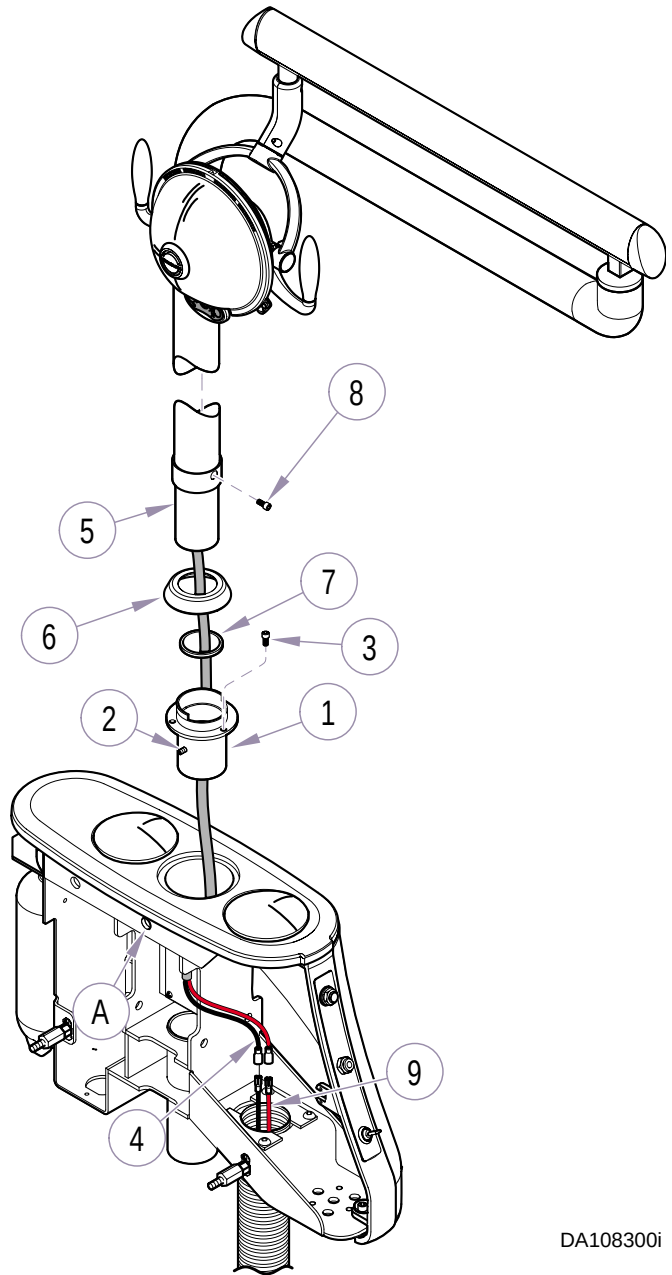
- (1)** Remove both side covers from console.
- (2)** Position console bearing assembly (1, Figure 2) in center hole of console so that two set screws (2) can be accessed thru holes (A) *[there is one hole on each side of console]*.
- (3)** Secure console bearing assembly (1) with three screws (3).
- (4)** Insert wire harness (4) and light arm assembly (5) thru trim ring (6), bearing washer (7) and console bearing assembly (1).



EQUIPMENT ALERT

There are two possible positions for the rotation stop screw (8). *[One position for console mounted on left side of chair, one position for console mounted on right side of chair]*. Verify proper operation before proceeding to Step 6.

- (5)** Lift trim ring (6) and install rotation stop screw (8) into light arm assembly (5).
- (6)** To adjust "drag" (tension when rotated) of light arm assembly (5), insert allen wrench thru holes (A); then loosen/tighten two set screws (2) as necessary.
- (7)** Verify proper operation of light arm.
- (8)** Connect red wire of harness (4) to red wire of harness (9); and black wire of harness (4) to black wire of harness (9).



DA108300i

**Figure 2. Light Arm Installation
(with Midmark Console)**

LIGHT ARM INSTALLATION (with Knight console)

- (1) Remove both side covers from console.
- (2) Install pivot bearing (1, Figure 3), then light post assembly (2) into center hole of console.
- (3) Tighten two set screws (3).
- (4) Install bearing washer (4) and trim ring (5) onto curved arm (6).
- (5) Insert curved arm (6) into center hole of console, feeding wire harness (7) down thru console mounting bracket (8).
- (6) Route wire harness (7) up thru bottom of console and connect to wire harness (9).
- (7) Verify proper operation of light arm.

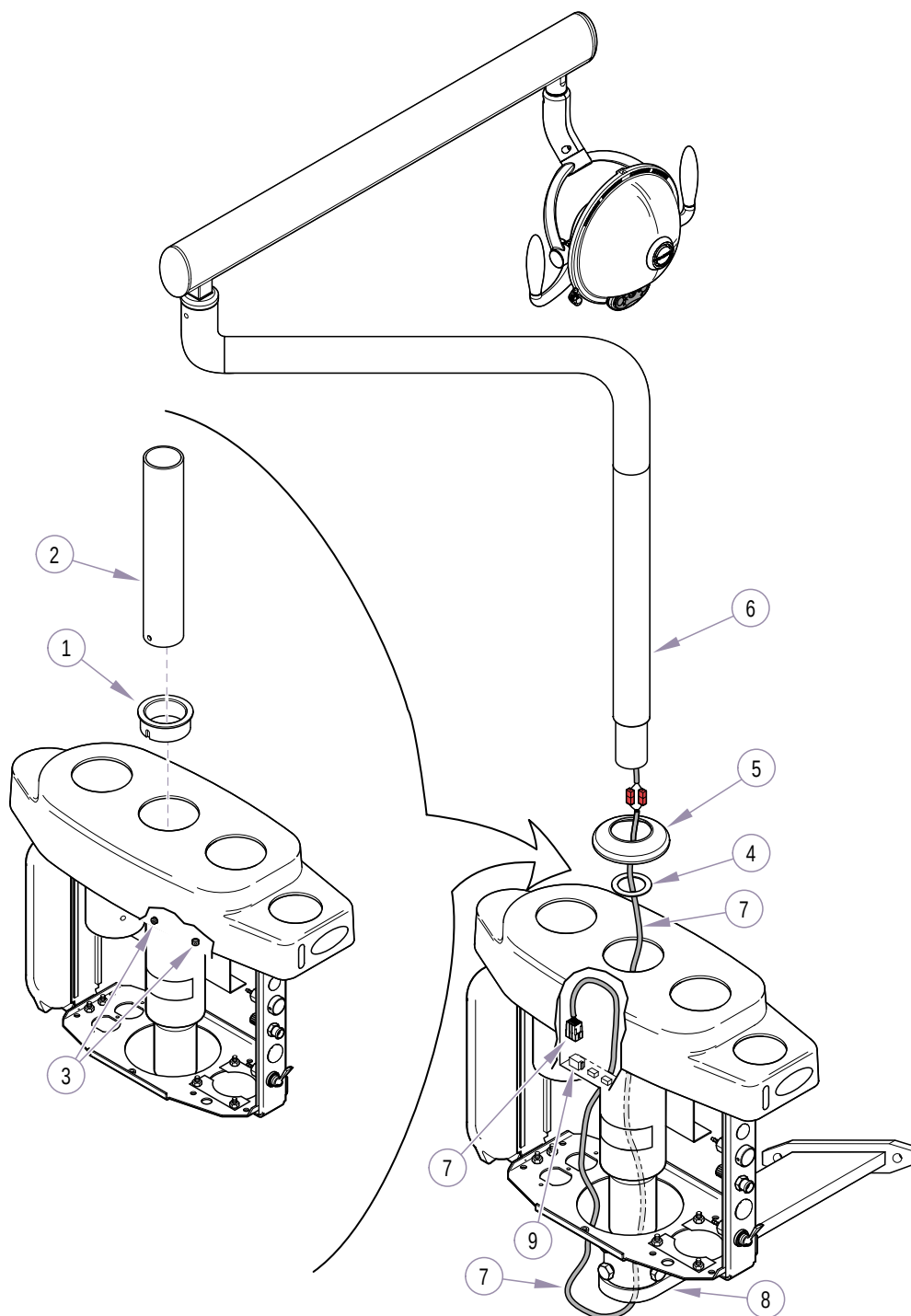


Figure 3. Light Arm Installation (with Knight Console)

INSTALLATION CHECKLIST

**EQUIPMENT ALERT**

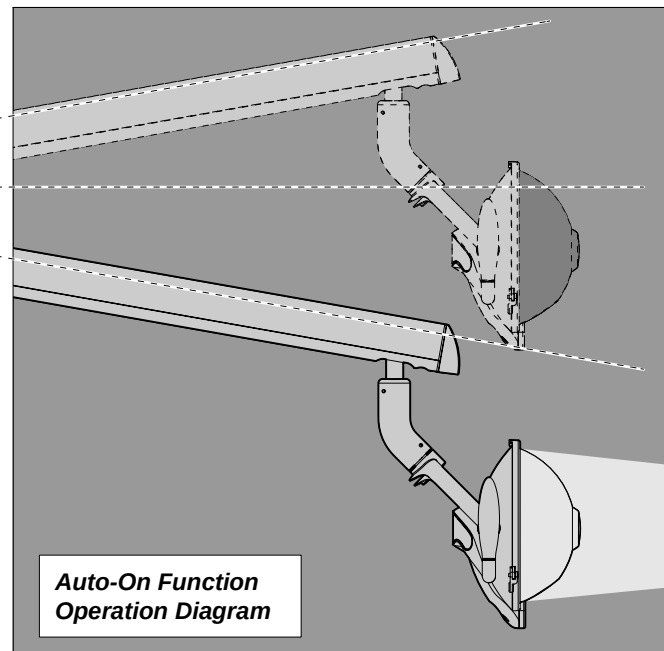
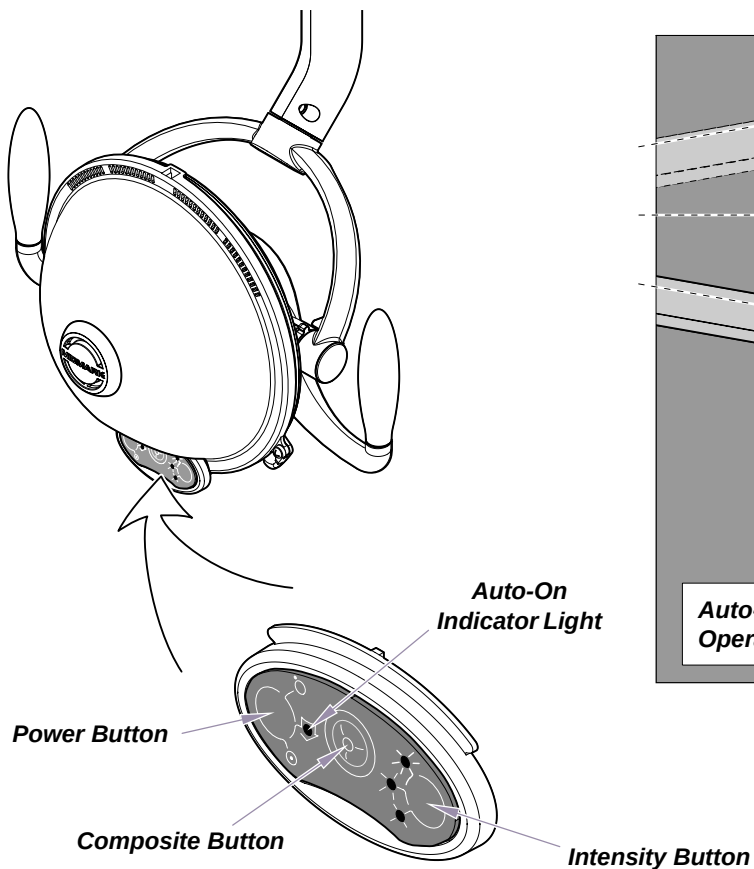
Answering "NO" to any of the following questions indicates improper installation or a product malfunction. Check all connections, then refer to the Midmark Dental Light Service & Parts manual for corrective action if necessary.

Yes No

- ☐ ☐ When **Power Button** is pressed once, does light illuminate?
- ☐ ☐ When **Power Button** is pressed twice, does **Auto-On Indicator Light** illuminate?
- ☐ ☐ With **Auto-On** function selected, does light illuminate when light arm is moved below horizontal [see **Figure 4**]?
(Refer to User's Guide for adjustment).

Yes No

- ☐ ☐ When **Power Button** is pressed three times, does light shut off?
- ☐ ☐ When **Composite Button** is depressed, does light become noticeably dimmer?
- ☐ ☐ Does **Intensity Button** adjust light beam to three settings (High, Medium, Low)?



KA957700

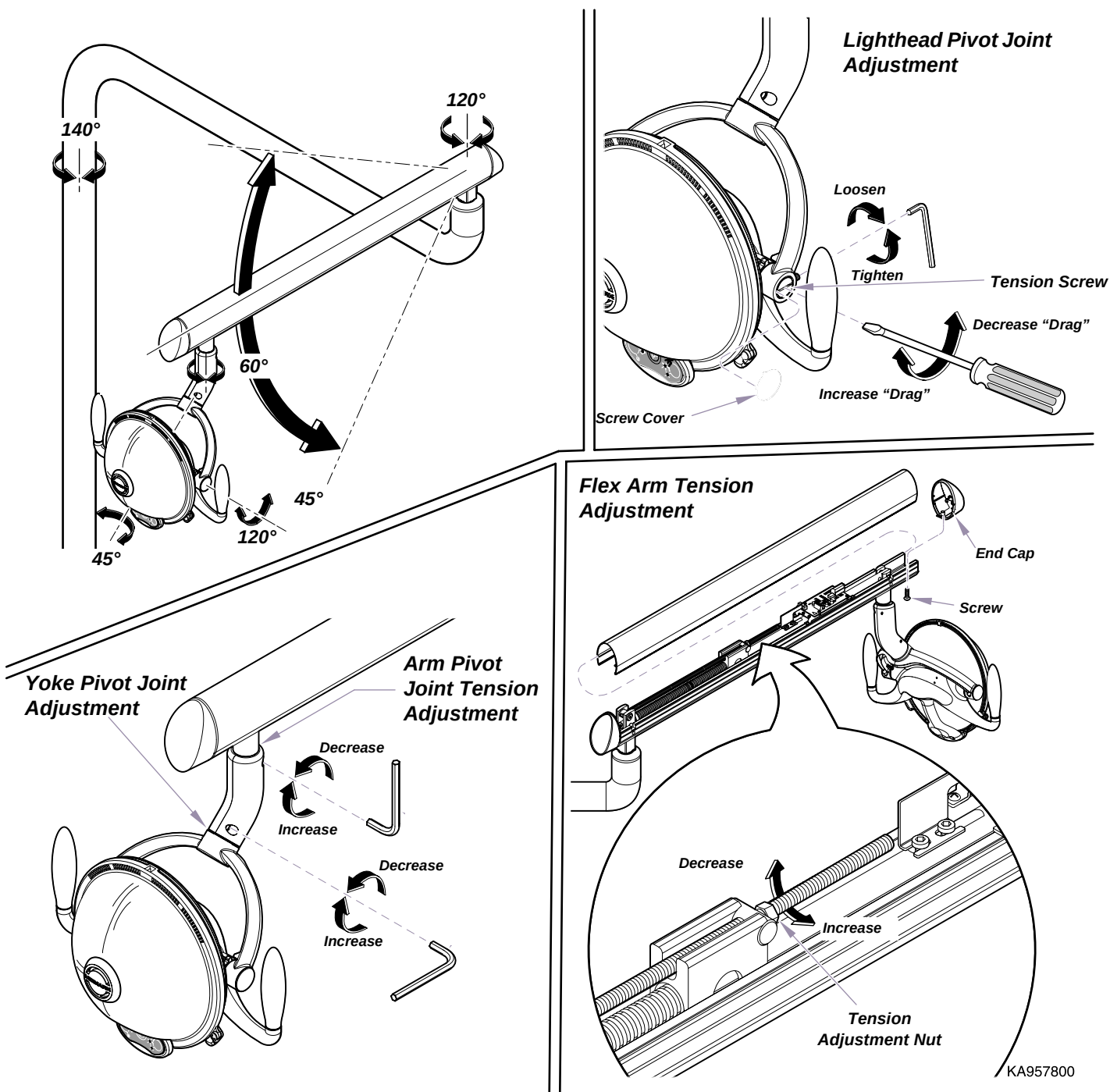
Figure 4. Installation Checklist Diagram

INSTALLATION CHECKLIST - *continued***EQUIPMENT ALERT**

Answering "NO" to any of the following questions indicates an adjustment is necessary. Refer to the adjustment procedures in Figure 5.

Yes No

- | | | |
|--------------------------|--------------------------|---|
| ☐ | ☐ | Does light move easily at all pivot points? |
| ☐ | ☐ | Does Flex Arm stay in position without "drifting"? |
| ☐ | ☐ | Does lighthead stay in position (at all pivot points) without "drifting"? |



KA957800

Figure 5. Lighthead / Flex Arm Adjustment Procedures

LIGHT**SPECIFICATIONS**

Description	Specifications	Data
Electrical Requirements:	... 18.5 VAC $\pm$ 10%, 50/60 Hz 6 amp, single phase	
Bulb:	24 VAC, 150 W Tungston Halogen	
Power to Bulb		
@ Maximum Intensity:	 15.7 VAC, 5.5 amps	
Classifications:	Class 1, Type B, Applied Part, Ordinary Equipment	
Certifications:		
Midmark Corporation.....	ISO-9001 Certified	
115 VAC Model.....	UL2601-1 CAN/CSA 22.2, #601.1-M90	
230 VAC Model.....	Complies to: MDD 93/42/EEC, Annex VII & EN60601-1, EN60601-1-2, EN60601-1-4	

**TRANSPORTATION / STORAGE
CONDITIONS**

- Ambient Temperature Range: -22°F to 140°F
(-30°C to 60°C)
- Relative Humidity 10% to 90%
(non-condensing)
- Atmospheric Pressure..... 500hPa to 1060
hPa (0.49atm to
1.05atm)

TORQUE SPECIFICATIONS

Torque specifications apply to hardware used on components unless otherwise noted in these installation instructions:

Torque Specifications

Hardware Size	Torque Values
#6	11 to 21 inch / lbs. (1.2 to 2.3 N•m)
#8	20 to 30 inch / lbs. (2.2 to 3.3 N•m)
#10	32 to 42 inch / lbs. (3.6 to 4.8 N•m)
1/4 inch	75 to 85 inch / lbs. (8.5 to 9.6 N•m)
5/16 inch	18 to 22 ft. / lbs. (24.4 to 29.8 N•m)
3/8 inch	31 to 35 ft. / lbs. (42.0 to 47.5 N•m)
1/2 inch	50 to 60 ft. / lbs. (67.8 to 81.4 N•m)